Dear Principal, Superintendent and Board Members,

I recently came across the National Math and Science Initiative, a non-profit organization known as “nym SEE” that appears to be helping school systems across the country increase access and achievement in advanced education for all students.

According to students, parents, teachers and administrators, the partnership and resources from NMSI have led to great and lasting achievements in all types of schools.

As a taxpayer, I recognize that you must be prudent with how resources are spent. Based on what I’ve been able to learn, NMSI works with schools to effectively reallocate existing money used for such things as classroom materials, lab supplies and continuing professional development. The organization also helps find new sources of funds from government grants, local companies and philanthropies. Nearly all those grants provide additional money for the expenses listed above so there can be more professional development for principals, counselors and teachers and new supplies for students. There’s even the potential for additional subsidies for students who take the annual Advanced Placement exams.

I’m asking you to look at the materials I downloaded from NMSI and to schedule a call with the organization. I know that you’re busy and I know that you want the best education for all our students. I believe NMSI could help.

Sincerely,
Rethinking K-12 Education

NMSI transforms K-12 education by setting high standards, removing barriers, building on teachers’ strengths and ensuring all students have the access, resources and support they need to excel in rigorous math, science, English and computer science education.

NMSI learns community needs by working directly with district and campus leaders, counselors, teachers, students and families to introduce proven solutions and help guide the way toward lasting success.

Early Exposure

Equipping educators teaching grades 3-12 with classroom resources, hands-on training and best practices.

Pathway to College

Supporting school systems by increasing access to high-quality, rigorous AP courses, especially for students furthest from opportunity.

Focus on Computer Science

Partnersing with districts to launch and sustain a K-12 computer science program with evidence-based curricula.

Prepping the Pipeline

Meeting the demand for qualified STEM teachers by creating multiple ways for subject experts to take on the classroom.

To date, NMSI’s programs have impacted:

- 2 Million Students
- 65,000+ Teachers
- 1,400+ High Schools
- 45+ Universities

Next Steps

Contact your NMSI representative or email customerservice@nms.org to learn more.
Preventing for Success

Unlocking student potential starts with great teachers. NMSI’s Laying the Foundation gives teachers the resources they need to raise expectations and develop advanced levels of thinking and learning. Led by expert educators, LTF helps teachers build and maintain subject matter expertise, enhance their leadership of diverse classrooms, and prepare students to be confident and creative problem solvers.

“Laying the Foundation was phenomenal. I’ve learned how to scaffold, how to differentiate, how to teach the skills necessary for my students to find success.”

Denise King
Teacher at Maynard H. Jackson High School, Atlanta

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Coming in summer 2021: Teachers select the development path that suits their needs

Laying the Foundation

Year One: Thinking About Learners
Teachers learn and practice delivering high-quality lessons while gathering feedback from other educators.

Year Two: Thinking About Teaching
Teachers analyze and reflect on how they prepare and lead classes and learn best practices from expert teachers and other educators.

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Transforming Education

Through its flagship College Readiness Program, NMSI helps local school systems immediately increase access and achievement in STEM education while developing sustainable capacity to propel students toward success as lifelong learners and problem solvers. Together, we’re eliminating STEM Deserts to ensure all students have access to the STEM education they need and deserve.

35% increase in college readiness*

11.9K AP teachers trained since 2007

41% increase in AP enrollment**

*as defined by earning of 2, 3, 4 or 5 on a math, science or English AP exam from school year 2016-17 to 2018-19
**from school year 2016-17 to 2018-19

Increase In Mastery of College-Level Concepts from school years 2014-15 to 2018-19
(as defined by earning a 3, 4 or 5 on an AP exam)

Elements of Success

TEACHER SUPPORT
- Content-Specific Training
- Coaching
- Online Curricular Resources

STUDENT SUPPORT
- Focused Study Supports
- AP Course Supplies
- Exam Fee Subsidies

SCHOOL SUPPORT
- Leadership Development
- Performance Analysis
- Goal Setting & Accountability

Next Steps

Contact your NMSI representative or email customerservice@nms.org to learn more and apply.
Building on Success from Proven Programs

The National Math and Science Initiative began delivering online and blended (a mix of in-person and online) supports for teachers and students in 2018, using the foundations of our proven in-person training and study resources to reach more students and teachers now and in the future.

NMSI’s online and blended programs provide research-based teacher and student support, expand opportunities for schools in urban and rural districts and can support home learning. Regardless of location, teachers and students have access to an online community where they can seek guidance and build deep relationships. NMSI has a growing model to provide online and blended solutions that leverage rich content and best practices.

“Some people will give you a book and say, ‘Go learn it.’ [NMSI’s online coaches] are not just showing what they did, but also modeling how they did it so you can see it in action.”

— Shana Martin
AP® Chemistry Teacher | Jonesboro, GA
Empowering Local Leaders
School leaders have a critical role in building a culture that invites and challenges students traditionally underrepresented in Advanced Placement courses. School leaders are also integral in making sure adequate support is available so students are set up for academic achievement. NMSI’s College Readiness Program provides school leaders with essential tools for the growth and cultivation of AP programs, student achievement within these programs, and access to a network of like-minded leaders.

Advanced Academic Leadership Team
NMSI Program Managers meet regularly with leaders for strategic planning and dialogical coaching about best practices for increasing access to and success in college-level coursework. Leadership teams should include an administrator, counselor and other influential school leaders, such as teachers who are department chairs.

Partner School Director
School-level administrator who is the main liaison to NMSI Program Managers. Empowers leaders to create a culture of advanced academics for all students. Ensures strategic plans are moved into integration and sustainment.

Knowledge Management
Communicates up-to-date information about the NMSI program within the school and community, in addition to analyzing data to inform strategic actions.

Access Advocacy
Collaborates with teachers and students to remove barriers to AP coursework. Intentionally invites students to take rigorous classes.

Site Coordination
Certifies that teachers and students have access to NMSI resources.

Matriculation Management
Establishes a group that connects middle schoolers to AP students, college students and STEM professionals who can speak to increased opportunities through rigorous education. Counseling experience complements this workstream.
Serving Success

Military readiness today depends on mission-focused Service Members who trust their children’s schools. Readiness tomorrow will depend even more on Service Members with critical thinking, problem-solving and STEM-focused skills. NMSI’s Military Families Mission empowers military-connected communities to meet the needs and support readiness now and in the future.

We’ve collaborated with **250+** military-connected schools, supporting **100+** military installations, to achieve a **39%** increase in college readiness\(^1\) in math and science after just one year in our program.

\(^1\)as defined by receiving a 2, 3, 4 or 5 on a math or science AP exam; based on available data for school years 2016-17 through 2018-19

### Increase in Mastery of College-Level Math and Science Concepts from school years 2014-15 to 2018-19

(defined by earning a 3, 4 or 5 on an AP math or science exam)

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<td><strong>ALL STUDENTS</strong></td>
<td>86.4%</td>
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<td>After one year</td>
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<td>After three years</td>
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<td><strong>AFRICAN-AMERICAN STUDENTS</strong></td>
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<tr>
<td>After one year</td>
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<td>After three years</td>
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Next Steps

Contact your NMSI representative or email customerservice@nms.org with any questions.

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Josephine Juarez
Principal at Veterans Memorial High School, TX

“When you have an Advanced Placement course, you don’t have to worry as much about that transition, because it’s nationwide. Our kids can jump right in to the course that they left behind, finish it here and test successfully.”